

20000702.qrp v01\_n870.qrl.20000702

Date: Sun, 2 Jul 2000 19:03:05 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1870

QRP-L Digest 1870

Topics covered in this issue include:

- 1) [74059] Re: K2 net  
by "Mike Yetsko" <myetsko@insydesw.com>
- 2) [74060] Re: Icom Rigs  
by David Newkirk <dpnewkirk@home.com>
- 3) [74061] QRP-L CD Version 3 - Weekly Friday Repost (long)  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 4) [74062] TOM HAMMOND HELLO!  
by hamjoel@juno.com
- 5) [74063] Sierra Problem  
by "Randy Joiner" <biggman@accucomm.net>
- 6) [74064] Re: [74045] K1 will be at NorCal meeting tomorrow (7/2/00)  
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 7) [74065] List  
by Pete Burbank <plburbank@kih.net>
- 8) [74066] MFJ 971 mods by KQ5U  
by tmyers@academicplanet.com
- 9) [74067] Argonaut 509  
by "Karl F. Larsen" <k5di@zianet.com>
- 10) [74068] Re: Fireball 40  
by "John J. McDonough" <wb8rcr@arrl.net>
- 11) [74069] Re: O-QRP Contest  
by Bob Patten <n4bp@bc.seflin.org>
- 12) [74070] Re: Wire Antenna Sprint??  
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 13) [74071] Need Manual for Datong FL-2  
by SMurph555@aol.com
- 14) [74072] Re: QRP/CW newbie. Thank you!!!  
by "W7TRX" <w7trx@mindspring.com>
- 15) [74073] repost, blow out  
by Scott Howell <n3byy@speakeasy.org>
- 16) [74074] 1/2 wave feed  
by ARDUJENSKI@aol.com
- 17) [74075] 1/2 wave feed correction  
by ARDUJENSKI@aol.com
- 18) [74076] Re: QRP: Stick to QRP stuff  
by Bob Hightower <nk7m@extremezone.com>
- 19) [74077] AOL email problems-again!

- by ARDUJENSKI@aol.com
- 20) [74078] Check out Terminated Wide-Band "Folded Dipole"  
by ARDUJENSKI@aol.com
- 21) [74079] Re: Work Antenna  
by Duane Alles <w9zm@yahoo.com>
- 22) [74080] Re: O-QRP Contest  
by "Karl F. Larsen" <k5di@zianet.com>
- 23) [74081] Re: K2 net  
by Tom M <tjmc@erols.com>
- 24) [74082] Toroid Charts  
by Charles K Brown <n4so@juno.com>
- 25) [74083] RE: 1/2 wave feed  
by Nick Kennedy <nkennedy@tcainet.net>
- 26) [74084] Re: O-QRP Contest  
by Bob Patten <n4bp@bc.seflin.org>
- 27) [74085] K2 Transverter  
by "Mike Yetsko" <myetsko@insydesw.com>
- 28) [74086] Spartan Sprint Island Expedition  
by Paul Stroud <aa4xx@ipass.net>
- 29) [74087] Noninductive Resistors?  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
- 30) [74088] Re: Icom Rigs  
by Roy <marion@montana.com>
- 31) [74089] Zmatch Parts Sources & Ramble  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
- 32) [74090] Re: AOL email problems-again!  
by "John J. McDonough" <wb8rcr@arrl.net>
- 33) [74091] Re: O-QRP Contest  
by "Karl F. Larsen" <k5di@zianet.com>
- 34) [74092] Re: List, My (last/only) thoughts  
by "Rod, N0RC" <n0rc@qsl.net>
- 35) [74093] Re: Fox Hunt Summer Teams  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 36) [74094] norcal paddle arm trade?  
by "Gary Nye" <gcnye@bright.net>
- 37) [74095] Re: Reverse Polarity Diodes  
by "Karl F. Larsen" <k5di@zianet.com>

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Date: Sat, 1 Jul 2000 16:35:52 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <n9yai@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74059] Re: K2 net  
Message-ID: <00bc01bfe39c\$f3f0a160\$0400a8c0@dadshp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I recall there was an 'official K2 SSB' frequency on 10M, I think they had it on their web page, but yeah, I think a K2 Net would be neat.

Mike  
K2#1058

> Hey Fellow QRP'ers,  
>  
> Does anyone know if theres a K2 SSB net.  
> Sounds like it could be a lot of fun...  
>

-----  
Date: Sat, 01 Jul 2000 16:59:57 -0400  
From: David Newkirk <dpnewkirk@home.com>  
To: qrp-l@Lehigh.EDU  
Subject: [74060] Re: Icom Rigs  
Message-ID: <395E5BCD.6F2CA6FD@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl F. Larsen wrote:

"I had a chat with Bill Brown W5UMQ today and he told me both his rigs, a 706 and older 557? both will not go down to 5 watts out. They bottom out at around 8 watts he says.

" I have Kenwood ts-50 and ts-140 and they both go smoothly from 0 to max. 5 watts is easily set. So at least in this area Kenwood is ahead of Icom."

Someone else has already mentioned that the upper and lower output limits may well be adjustable, as they are on the IC-725 (for example).

But there's another approach: Buy the appropriate metal-oxide power resistors (no, they are not inductive enough at HF to matter), build a 3-dB attenuator -- capable of, say, 10 or 20 W dissipation -- and install it in the feedline between the transceiver and its load. Then when you put in 8 W, you'll get out 4, and so on.

There's no need to switch the attenuator out in receive on most of the lower-frequency HF bands if you're using even a dipole antenna: Band

noise will probably be at least 3 dB over your receiver noise floor already, so all you'll really do is shift the absolute range of received-signal powers spanned by your receiver's dynamic range up 3 dB -- a good thing, considering today's propagation and band congestion, and the fact that many commercial radios are much more sensitive than they need to be.

One additional plus is that the attenuator will also somewhat reduce the SWR variations presented by the antenna system to the radio -- not that this matters much when a radio is turned way down to close to its minimum power.

73,

Dave Newkirk, W9VES  
dpnewkirk@home.com  
<http://members.home.net/dpnewkirk/>

-----  
Date: Sat, 01 Jul 2000 13:39:09 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [74061] QRP-L CD Version 3 - Weekly Friday Repost (long)  
Message-ID: <395E64FD.BDDBBC6E@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from the QRP-L CD Providers, now communicating in one consolidated message to keep traffic on QRP-L to a minimum. We will post once a week until the end of June and then once a month for a while.

QRP-L CD Version 3.0 CD-ROM (Editor - WB8RCR, John McDonough)

Overview from the QRP-L CD:

Well, it's finally here! Version 3 of the QRP-L CDRom, and since version 2, we've had a lot of changes on the list, the startup of QRP-F, a much more active and aggressive QRP ARCI, and a new millennium! This CD contains the entire QRP-L archive for the 20th century, as well as a few months of the 21st. (1993 through sometime in April 2000)

Much of the material for this one is the same as Volume 2, except, of course, for the updated archives. If you have anything you can contribute, please send it along to WB8RCR <mailto:wb8rcr@arrl.net> for

the next release. I'm sure your fellow QRPers would appreciate your sharing.

WB8RCR has included the latest version of QSLMaker - And also in the QSLMaker directory is a set of new background bitmaps. These are especially for ARCI members (QRP Amateur Radio Club International) who want to display the ARCI logo on their card.

There are links to the HTML directories and the QRP-L archives.

- \*\* QRP-L Archives
- \*\* Chuck Adams, K7QO, pictures
- \*\* Glen Leinweber, VE3DNL, Elmer101 Web Page
- \*\* KB0HQU's Pixie and SMiTe files
- \*\* NEC2 - The NEC antenna design program
- \*\* PCPGMS - Misc Utilities
- \*\* RUFZ - The RUFZ morse code program
- \*\* SPICE - Spice modeler and many of the models included
- \*\* WB8RCR - QSLmaker and some graphics - The latest version
- \*\* and much more

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How to get your own Version 3 copy of the QRP-L CD.

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There are four people ready to take orders for the QRP-L CD Version 3, dated May 7, 2000.

They can supply a blank CD or accept one from you.

Plan A: Your blank CD

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Put a blank CD in one of those plastic sleeves (i.e. don't send the jewel box). Put this CD in a sturdy cardboard mailer. Put your mailing address on the mailer. Put postage on the mailer. (Typical postage is 77 cents in the USA, though if you use a bubble mailer or one of those thick padded mailers it might be more.) Now put this mailer into a larger (of course) mailer addressed to one of the Providers (see below). Write your name AND email address on a small slip of paper and enclose it as well.

Plan B: Provider provides the blank CD

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Send a check for \$10 USD payable to one of the providers (see below).

\$10 USD will cover the QRP-L CD for International as well as domestic. Please enclose a self-adhesive mailing label with your mailing address. Write your name AND email address on a small slip of paper and enclose it as well. If you don't have a self-adhesive label just put your mailing address neatly on a piece of paper so that we can cut out and tape to the package.

Send your package or envelope to:

Jim Larsen, AL7FS           mailto:al7fs@pobox.alaska.net  
3445 Spinnaker Drive  
Anchorage, AK 99516-3424   OR

Michael Bower, N4NMR   mailto:bowerm@ix.netcom.com  
43304 Wayside Circle  
Ashburn, VA 20147-4621   OR

Bob Patten, N4BP           mailto:n4bp@bc.seflin.org  
2841 N.W. 112 Terrace  
Plantation, FL 33323       OR

Michael Gipe, K1MG       mailto:mgipe@reliablemeters.com  
12770 Lika Ct  
Saratoga, CA 95070

Upon receipt, We will email you to confirm receipt of your package--IF you remembered to enclose your email address :-)

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Plan C: You can use PayPal and we provide blank CD.

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PayPal Information - Three of the providers are set up for PayPal - AL7FS, N4NMR and K1MG.

PayPal accounts are now available that the Providers can use to receive payment by MasterCard or Visa. PayPal is available at <http://www.PayPal.com>

If you would like a new PayPal account you can use these links to get there.

AL7FS as referral:

<https://secure.paypal.com/refer/pal=al7fs%40pobox.alaska.net>

N4NMR as referral:

<https://secure.paypal.com/refer/pal=bowerm%40ix.netcom.com>

K1MG as referral:

<https://secure.paypal.com/refer/pal=mgipe%40reliablemeters.com>

Feel free to use one of our address as the referring party if you do set up a new account. :-)

Use ONE of the below email addresses as the PayPal account numbers for the transmission of the \$10 USD.

	Pay Pal Account numbers
Jim Larsen, AL7FS	al7fs@pobox.alaska.net

Michael Bower, N4NMR	bowerm@ix.netcom.com
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Michael Gipe, K1MG	mgipe@reliablemeters.com
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If you choose to use PayPal you need to email the Provider also with your information as follows:

#### General Guidelines

Email Subject:

\*\* QRP-L CD order from (your call) via PayPal

Text:

\*\* Repeat your PayPal email address

\*\* Provide your mailing Name and address

\*\* Add any other comments on the bottom of the message as needed.

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International Mailings

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It looks like the package will weigh less than 3 ounces. The \$10 USD will cover the International postage just fine.

Therefore, \$10 USD will cover the QRP-L CD for International as well as domestic USA.

Upon receipt or Check or PayPal or blank CD, the Provider will email you to confirm receipt and suggest how long it will take to get the CD off to you.--IF you remembered to enclose your email address :-)

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Websites with the QRP-L CD information are available at:

<http://www.qsl.net/al7fs/> OR

<http://www.qsl.net/n4nmr/qrp1cdvol3.html/>

Questions? Send email to me at <mailto:AL7FS@pobox.alaska.net> or to any of the other Providers. Please make the subject line: QRP-L CD Question

from (your callsign).

73, Jim, AL7FS

on behalf of AL7FS, N4NMR, N4BP and K1MG

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>  
Anchorage, Alaska <mailto:al7fs@pobox.alaska.net>  
QRP ARCI #6754 Check out <http://www.qrparci.org/>

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Date: Sat, 1 Jul 2000 17:42:12 -0400

From: hamjoel@juno.com

To: qrp-1@lehigh.edu

Subject: [74062] TOM HAMMOND HELLO!

Message-ID: <20000701.174214.-244215.0.hamjoel@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

high y'all

sry but need to get holt of Tom... he's helping me adjust sumthin...  
and I think I may have gotten it to work....

great folk on this list... Tom u their??

ke1la joel

in maine

looking for ur e-mail addr

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----

Date: Sat, 1 Jul 2000 18:42:18 -0400

From: "Randy Joiner" <biggman@accucomm.net>

To: <qrp-1@Lehigh.EDU>

Subject: [74063] Sierra Problem

Message-ID: <005601bfe3ad\$9d643260\$dc819bce@accucomm.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I have a problem with my Wilderness Sierra and will describe it here, in  
case one, or several of the many other Sierra owners here have experienced



the same difficulty.

The problem is with a loud scratchy sound, it is hard for me to describe, I guess what you would expect when touching two contacts together, the static type scratch and then the pure tone. It happens whenever a strong signal is received. Once the agc pulls the gain down, it is no longer there, and sounds as it should. Let me digress a bit too. I have modified the rig so that it has 3 agc speeds, the two new ones are both faster than the original. So if I am receiving a strong station and he is not sending fairly fast, I hear this sound at the beginning of every word using the faster agc speeds. It is quite annoying. Even if he is moving at a good clip, every time he pauses for a bit, it is there again. With the agc in the normal mode, it is there at the beginning of every transmission and occasionally between pauses. I found in the 1996 archives a reference to something similar, but the discussion seemed incomplete. The referenced discussion seemed to identify the MC1350 IF amp as the guilty culprit and a wiring change was needed to correct it, although this was not a Wilderness Sierra, but a similar circuit. With all the Sierra's out there, I would have heard before now if this was the case.

I've tried adjusting the agc through its entire range and the only time the noise is not noticeable is when the gain is turned so low you can hardly hear even strong stations.....unacceptable of course. Right now I do feel it has something to do with the agc and/or the MC1350, probably a combination of both. Or maybe I'm just overlooking something really simple, as I am so capable of doing.

I would appreciate any input you guys would be willing to share. Thank you very much.

Randy N4SX

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Date: Sat, 1 Jul 2000 16:15:50 -0700 (PDT)  
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>  
To: n6kr@elecraft.com  
Cc: qrp-1@lehigh.edu, elecraft@qth.net  
Subject: [74064] Re: [74045] K1 will be at NorCal meeting tomorrow (7/2/00)  
Message-ID: <200007012315.QAA09376@netcom.com>

Date: Sat, 1 Jul 2000 10:13:37 -0700  
From: Wayne Burdick <n6kr@elecraft.com>

I'll be bringing the K1 with me to the NorCal meeting tomorrow. I'll be in my VW camper, which these days is used only for Field Day and as a mobile radio demo wagon ;)

Did anyone talk the restaurant into putting up a beam yet??

Or at least a vertical on the roof.

I'll be bringing my just completed, but not tuned, Small Wonder PSK-20 kit.

73, doug

-----  
Date: Sat, 01 Jul 2000 19:24:06 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [74065] List  
Message-ID: <3.0.32.20000701192401.00749b74@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Rather than complaining about subject matter it is easy to review the day's mail by setting up your 'puterater properly.

Here all list messages are sent to the Trash bin (Eudora Baby) and can be sorted by my massive brain in a few minutes....prior to a final dump.

Anything pertinent is sent to another bin for storage...such as "Contest" "Fox" "Homebrew" etc.

I really enjoy some of the "off topic.....Supposedly" posts.

Anyone operating QRP is of a certain mindset and deserves to be listened to. Some OT stuff is a real gas and cracks me up!

Why limit the list to a narrow subject?

The recipient has TOTAL control of what comes in so think about that. You can always turn it off!!!!

Nuf said...73 Pete NV4V

Somewhere south of Nonesuch,Ky and N.E. of Gravel Switch

-----  
Date: Tue, 27 Jun 2000 22:25:09 -0500  
From: tmyers@academicplanet.com  
To: "QRP-L, Post to List" <qrp-l@Lehigh.edu>, mmorrow@companet.net, n5ib@juno.com  
Subject: [74066] MFJ 971 mods by KQ5U  
Message-ID: <39597014.E4324B16@academicplanet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This is for the person wanting mods to the MFJ 971 tuner, but I thought some others may be interested so I decided to contribute for a change.

I have made several mods to the tuner. I don't use the tuner with anything hotter than the K2 so it has not been tested at QRO levels . "I have never used this at QRO, but the switches used will be the limiting factor." Good luck.

(Mod-1) I replaced the terminal post under the S0-239 "output" connector with another S0-239. This required a S0-239 that mounts with just the big nut to hold it in place. I then drilled a 1/4 inch hole above the "antenna" tuning cap to accommodate a switch. I then took the lead that runs from the "antenna" cap and connected it to the center pin of a SPDT switch and each of the other poles of the switch were connected to one of the S0-239. At this point I have a tuner that will feed two coax antennas and can be switch selected from the front panel. I did not want to lose the ability to use the "balanced line" feed so I made a jumper (banana plugs on both ends) to go from the center of the added S0-239 to dual banana plug on the end of my ladder line. (you may have to spread the bananas to get really snug contacts) The result is I can now switch between a coax antenna and a ladder line fed antenna from the front panel or between another combination is set up in back. All from the front panel while operating. I can change at will.

(Mod-2) I drilled another 1/4 inch hole over the "transceiver" cap and installed another SPDT switch and connected the feed from the circuit board to the "transceiver" cap to the center pole. One of the remaining poles was attached back to the "transceiver" cap and the other pole was connected to the center pin of the other SPDT used in Mod-1. This little mod give me the by-pass of the tuning circuit. The SWR bridge is still in the circuit, but the tuner is not.

Making the front panel pretty.

The brushed Al look is accomplished by rubbing with sandpaper in one direction only (200 - 300) grit should do it. Do this just over the front to remove the words "MFJ PORTABLE TUNER", "transceiver", and "antenna". There is space to label the "transceiver cap" and the "antenna cap" under the knob instead of above as MFJ did. The space gained on the top of the panel can be used to label your new switches from Mod-1 and Mod-2 above.

The end product.

A very versatile QRP tuner for the cost of 2 SPDT switches, a S0-239 and a little time. I got parts from the "Junk-BOX" but even from the "R-SHACK" the cost will only be 6 to 7 dollars.

This is the tuner I use for the FOX HUNT to switch between my Butternut vertical and my full size (102ft) G5RV to get the best signal from the

fuzzy critter. It works FB.

KQ5U

Terry, Spring, TX

"Houston Hound"

-----  
Date: Sat, 1 Jul 2000 18:15:12 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [74067] Argonaut 509  
Message-ID: <Pine.LNX.4.10.10007011804380.995-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

About 12 years ago I bought a Kenwood TS-140 which I still use, and put my circa 1975 Argonaut on the shelf. I was far too busy then to worry about QRP or anything Ham Radio related. I checked into nets and that was that.

Today I got the Ten Tec Argonaut back down and made a power cord for it and then went to Radio Shack and for 2 bucks got a keyer to rig cord. There was nothing but age wrong with the little rig and after tuning around awhile it started working fine.

I have made 6 contact's on 20 meters and measured that the rig is putting 3 watts into my High Gain TH6DXX beam. I don't even bother to tell the guys I talk to that I'm QRP. I'm getting 579 reports all over the country. I talked to N0SXX who is camped out in Colorado high and had to QRT for lightning.

It has been years and I have forgotton how good this little rig is. Put a good antenna on it and it performs like a big rig. Full break-in and all.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Sat, 1 Jul 2000 20:13:52 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Found it!

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>  
didileydadidah QRP-L #1446 Code Warriors #35

On Sat, 1 Jul 2000, Karl F. Larsen wrote:

73,

0000-( )-000

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Sat, 1 Jul 2000 20:54:18 -0500  
From: "Cla KA0GKC" <ka0gkc@arrl.net>  
To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74070] Re: Wire Antenna Sprint??  
Message-ID: <01d301bfe3c8\$7db76ac0\$0200000a@mcg.net>

| heck who knows maybe we could follow-up with a no tuner wire antenna contest  
| (Hmmm)

Why not add this to this years rules.

73 de Cla KA0GKC

-----  
Date: Sat, 1 Jul 2000 22:04:26 EDT  
From: SMurph555@aol.com  
To: qrp-1@lehigh.edu  
Subject: [74071] Need Manual for Datong FL-2  
Message-ID: <63.7bf05f1.268ffd2a@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi all,

I'm in need of a copy of the manual for a Datong FL-2 audio filter.  
Happy to pay opying costs and postage. Please respond to caljsi@aol.com  
72/73  
Cal K4JSI

-----  
Date: Sat, 1 Jul 2000 19:44:04 -0700  
From: "W7TRX" <w7trx@mindspring.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74072] Re: QRP/CW newbie. Thank you!!!  
Message-ID: <00f201bfe3cf\$639afba0\$7b2579a5@fkxug>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wow,

I'm buried in E-mail responses. I've printed them all out and will study them. My compliments to this group. Friendly and helpful!!!

Thanks for all the guidance and support.

73, TR

W7TRX

-----  
Date: Sat, 1 Jul 2000 23:08:46 -0400 (EDT)  
From: Scott Howell <n3bby@speakeasy.org>  
To: qrp-l@lehigh.edu, tentec@contesting.com  
Subject: [74073] repost, blow out  
Message-ID: <Pine.LNX.4.20.0007012258460.2033-100000@n3bby.yi.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Seems some may not have gotten my msg clearly do to the caps lock key I didn't realize it was on.

Sorry about that, the speech synth I use doesn't always do well in changing the pitch so I know the key is locked.

Ok, so here's what is left.

Just added Single lever Ten-Tec paddle. Very good shape. \$30

1. all handkeys are sold.
2. Ladderline is sold
3. APC UPS 420 watt with all cables manuals original new in box, and will work with Linux/Unix and Windows/NT \$175.
4. 40ft approx that is, RG213/U
5. approx 35ft RG8X (mini 8X)
6. 2 High Q baluns new, will handle easily 100 watts, but my xyl couldn't

find the pwr rating, but I would be willing to go out on a limb and say they handle 500 watts or more.

They are pretty good size \$20 or \$35 for the pair

7. about 100ft stranded antenna wire. Same wire used on the g5rv dipoles. \$5

8. A box full of many items including a hand foll of reducers for RG174, RG8X/RG59, 6 position antenna switch (missing knob) N type connectors, several plugs 1/4 & 1/8 for making up cords for keys, and a number of dogbones.  
There's likely other stuff in there I can't recall. I'll take \$15 for all the stuff.

9. MFJ 1700B 76 radios and 6 antennas can be connected, Also, has input/output for an inline tuner etc.  
Excellent condx. \$45.

All items priced include shipping.

tnx es 72/73 de Scott/n3byy

-----  
Date: Sat, 1 Jul 2000 23:24:17 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu, ku7y@dri.edu  
Subject: [74074] 1/2 wave feed  
Message-ID: <94.689a62e.26900fe1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In planning a NO TUNER antenna I plan to have a 40/20M dipoles cut for 7040 and 14.060 (or close). This will be fed with coax. Is there an advantage of cutting the feed to multiples of 1/2 wave? Say in this case 66 ft long.

Alan KB7MBI

PS Ron (KU7Y) thanks for the tip on the wire nuts for field antennas

-----  
Date: Sat, 1 Jul 2000 23:45:18 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu



Subject: [74075] 1/2 wave feed correction  
Message-ID: <22.7e40233.269014ce@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In my question on feeding with 1/2 wave coax, I forgot to add the velocity factor of about 0.8 so  $66 \times .0.8$  is about 53.2 ft for wave multiples--alan KB7MBI

-----  
Date: Sat, 01 Jul 2000 21:43:53 -0700  
From: Bob Hightower <nk7m@extremezone.com>  
To: lujce@Lehigh.EDU  
Cc: qrp-1@Lehigh.EDU  
Subject: [74076] Re: QRP: Stick to QRP stuff  
Message-ID: <200007020444.VAA00998@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

At 04:53 PM 7/1/2000 -0400, you wrote:=20

>  
> =A0 I agree.  
>  
> =A0 Every post goes out with the From: and Reply-To: headers set to the  
> original senders address, so a "reply" should always go back to them.  
> People simply need to stop using a "group reply" or "reply to all"  
> when replying.  
>  
> 73  
> Jim N3VXI

Yes, it's the setup of the individual mail reader that determines where the reply is sent to. If you have 'reply to all' checked, it indeed goes to all.=  
=20

Bob Hightower NK7M  
Chandler, AZ  
SOC #20  
K2 #157/255

<http://www.extremezone.com/~nk7m>

-----  
Date: Sun, 2 Jul 2000 01:57:32 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [74077] AOL email problems-again!  
Message-ID: <a4.67ced7b.269033cc@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

You AOL users may want to check the QRP-L archives. About 25% of the messages seem to not be making it thru AOL again. Alan KB7MBI

-----  
Date: Sun, 2 Jul 2000 03:02:25 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [74078] Check out Terminated Wide-Band "Folded Dipole"  
Message-ID: <b4.7707681.26904301@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

This is a nice article on the folded dipole by LB CEBIK dated June 2000. With the discussion on T2FD and B&W antennas a short time back this may be of some interest:

<A HREF="http://www.cebik.com/wbfd.html">Click here: Terminated Wide-Band "Folded Dipole"</A>  
or type in <http://www.cebik.com/wbfd.html>

Alan KB7MBI

-----  
Date: Sun, 2 Jul 2000 00:27:16 -0700 (PDT)  
From: Duane Alles <w9zm@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [74079] Re: Work Antenna  
Message-ID: <20000702072716.20948.qmail@web514.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Having a XYL that thinks HAM Radio is the work of the

Devil I go out of my way to get on the air and have some quiet time. I had a work qth with similar conditions. I tried all kinds of things from 26g random wire hidden in the trees to dipoles with the feed line tied to the trunk of the tree to hide it. ( I put it up with a fishing rod when the parking lot was empty over a weekend ) Wind messed up the dipole and the random wire didn't work that great. The best bet for me was a vertical. I shot some twine over a tree and pulled a brown wire up the trunk. I left the end of the vertical bare. The feed point was about 5'. I clipped the feed line and radials on with alligator clips and let them just lay on the ground. I would remove the feed line and radials when I was done. It worked out to be a stealth setup. I would pull my car along the tree at lunch and clip on the feed and radials.

I worked lots of stations on 30m and a good amount of dx. When the band was open ..Well I'd just have to work late Hi Hi!!

73

Duane, w9zm

-----  
Do You Yahoo!?

Kick off your party with Yahoo! Invites.

<http://invites.yahoo.com/>

-----  
Date: Sun, 2 Jul 2000 05:17:52 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Bob Patten <n4bp@bc.seflin.org>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74080] Re: O-QRP Contest  
Message-ID: <Pine.LNX.4.10.10007020513480.720-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob we just had a contact on 20 meters, my first with a station in the O-QRP contest. It was YOU. About 1105 GMT you gave me 599 113 QRP and I gave you 579 006 QRP. I was using my old Ten Tec Argonaut.

Good luck in the contest.

On Sat, 1 Jul 2000, Bob Patten wrote:

> On Sat, 1 Jul 2000, Karl F. Larsen wrote:

> >

> > After complaining about the rules for this contest, I got on 20  
> > meters with my TH6DXX beam pointed at Europe from NM and tuned the band  
> > for 80 minutes and called CQ OQRP several times and only contacts were to  
> > stations in Canada working the All Canada contest...:-(  
> Worked about a dozen EU from here, but most after 7PM EDST. Yes worked  
> MANY RAC stations also. Makes this thing a blast. I'll sort out my log  
> later and make entries in both. I don't think I worked anyone who was in  
> the OQRP contest, but rules say receiving just a signal report is sufficient.

>

> 73,

> , ' ' ' ,

> Bob Patten, N4BP ( 0 0 ) Plantation, FL

> -----o00o-( )-o00-----

>

> E-Mail: n4bp@bc.seflin.org

> Web Page: <http://www.qsl.net/n4bp>

> Brass Pounder BBS: (954) 472-7715

> SOC #1Whiners #6

>

>

>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Sun, 02 Jul 2000 21:42:45 -0400

From: Tom M <tjmc@erols.com>

To: myetsko@insydesw.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [74081] Re: K2 net

Message-ID: <395FEF95.1963294E@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

> I recall there was an 'official K2 SSB' frequency on 10M, I think they  
> had it on their web page, but yeah, I think a K2 Net would be  
> neat.

>  
> Mike  
> K2#1058

Hi Mike,

I believe it's 28.715.....

But I've never found anyone there , even tho I sometimes leave the radio  
tuned/on his freq.

best  
Tom #1213

-----  
Date: Sat, 1 Jul 2000 21:13:03 -0500  
From: Charles K Brown <n4so@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [74082] Toroid Charts  
Message-ID: <20000702.084553.4046.5.n4so@juno.com>

Conversion of winding data and inductance/  
and vice versa.  
Ask for toroid.txt

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal 20 at 5 watts  
4 element mono. yagi

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sun, 2 Jul 2000 09:09:21 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'ARDUJENSKI@aol.com'" <ARDUJENSKI@aol.com>, Low Power Amateur Radio  
Discussion <qrp-l@Lehigh.EDU>  
Subject: [74083] RE: 1/2 wave feed  
Message-ID: <01BFE405.3778DB60.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

In planning a NO TUNER antenna I plan to have a 40/20M dipoles cut for 7040 and 14.060 (or close). This will be fed with coax. Is there an advantage of cutting the feed to multiples of 1/2 wave? Say in this case 66 ft long.

Alan KB7MBI

Not really, in the case you describe. I think you are constructing antennas that will have a 50 ohm feedpoint impedance (more or less), and assuming you are using 50 ohm coax, the thing will be length independent.

The advantage of a 1/2 wave feedline is that the impedance at the rig end is equal to the impedance at the antenna feedpoint, regardless of the impedance of the feedline. So, this would allow you to use that surplus 100 ohm computer network coax or some 300 ohm twinlead or what have you and still present the 50 ohm impedance of the antenna to the transmitter. Of course, the SWR resulting from the mismatch still exists on the line (2 to 1 in the case of the 100 ohm stuff, 6 to one in case of the 300 ohm), but your transmitter doesn't have to know about that and in general these mismatches aren't going to introduce much loss.

72--Nick, WA5BDU

-----  
Date: Sun, 2 Jul 2000 10:17:03 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: "Karl F. Larsen" <k5di@zianet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74084] Re: O-QRP Contest  
Message-ID: <Pine.3.89.10007021013.D4553-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jul 2000, Karl F. Larsen wrote:

>  
> Hi Bob we just had a contact on 20 meters, my first with a station in the  
> O-QRP contest. It was YOU. About 1105 GMT you gave me 599 113 QRP and I  
> gave you 579 006 QRP. I was using my old Ten Tec Argonaut.  
>  
Glad we made it Karl. I quit at what seemed to be several hours later  
with only twelve more contacts, very boring contest! :-)

73,

, ' ' ,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Sun, 2 Jul 2000 10:10:52 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74085] K2 Transverter  
Message-ID: <009201bfe430\$22349de0\$0400a8c0@dadshp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Is anyone using their K2 as the core of a VHF or other station?

I was waiting for the 'Elecraft' transverter option, as they were talking about two of them, one for 6M, and one as a generic transverter interface.

But I recently sent an email to someone about it, and I started thinking, it's not a big issue. I already have the Hamtronics 2M transverter setup built from separate boards from the 1982 ARRL handbook. Only I built it to tie to an old SSB CB set. But that's just a crystal and a tune to move it to 10M, or even just leave it.

The only issue is splitting the signal. I originally built my transverter setup in an aluminum box with power supply and the boards. And configured it so the microphone plugged into the box, then the box output to the rig, that way I could use the PTT on the mic as relay control.

Mike  
K2#1058

-----  
Date: Sun, 02 Jul 2000 10:31:57 -0400

From: Paul Stroud <aa4xx@ipass.net>  
To: QRP-L <QRP-L@lehigh.edu>  
Subject: [74086] Spartan Sprint Island Expedition  
Message-ID: <395F525D.DE4E5A6B@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang,

If you hear a ghostly response to your "CQ SP" Monday night, it may well be AA4XX/NA112. I'll be running my trusty SW-20+ into a beach mounted vertical array.

The power output will be around 50-100 mW.

I'll be kayaking out to a small island about 2 miles off the coast of Swansboro, NC Monday morning to get set up for the Sprint. High tide coincides with the event, so the propagation should be interesting...

For more info on the Spartan Sprint, do a word search on "Adventure Radio Society."

Hope to hear you in the fray. Happy July 4th to all!

72, Paul AA4XX

-----  
Date: Sun, 2 Jul 2000 07:38:57 -0700  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [74087] Noninductive Resistors?  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC08@arcadia-pd1.arcadiapd.com>  
MIME-Version: 1.0  
Content-Type: text/plain

I am looking for information on non-inductive resistors, sources, etc. I will be building a resistive SWR bridge (part of a Zmatch tuner) as well as other RF projects which require attenuators or loads.

Will metal film resistors work at 1-50 MHz?  
Where can I find 2-watt and higher carbon (and if they work, metal film) resistors?

73  
Jay



W6CJ

-----  
Date: Sun, 02 Jul 2000 08:44:42 +0000  
From: Roy <marion@montana.com>  
To: dpnewkirk@home.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74088] Re: Icom Rigs  
Message-ID: <200007021455.e62Etju19948@mail.montana.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 04:59 PM 7/1/00 -0400, David Newkirk wrote:

>Karl F. Larsen wrote:

>

>"I had a chat with Bill Brown W5UMQ today and he told me both his  
>rigs, a 706 and older 557? both will not go down to 5 watts out. They  
>bottom out at around 8 watts he says.

>

>" I have Kenwood ts-50 and ts-140 and they both go smoothly from 0  
>to max. 5 watts is easily set. So at least in this area Kenwood is ahead  
>of Icom."

My Icom 706 and every one I have ever seen easily goes to 3 watts.....Roy AB7CE

-----  
Date: Sun, 2 Jul 2000 07:57:33 -0700  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [74089] Zmatch Parts Sources & Ramble  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC09@arcadia-pd1.arcadiapd.com>  
MIME-Version: 1.0  
Content-Type: text/plain

I've found some information on the "Z-Match" tuner variant by W6JJZ on the NJQRP site.

There is a good discussion of W6JJZ's mods to improve balance and tank Q, as well as information on winding, using different cores (Mix #6 vs Mix #2), and 160 meter mods.

I think EMTECH provides a kit of one Z-match version; the ZM-2 which includes a single LED match indicator.

If anyone is aware of other ZM articles, schematics, or layouts on the web... or has something they could email to me as a JPG, I would appreciate it as well as comments from users.

I am looking for sources for the dual-section plastic variable capacitors used in some miniature versions of the ZM family.

This looks like a good QRP tuner for traveling, stealth or /P.

Thanks & 73  
Jay  
W6CJ

-----  
Date: Sun, 2 Jul 2000 11:07:02 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74090] Re: AOL email problems-again!  
Message-ID: <003e01bfe437\$32a0dac0\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The problem may not be AOL. I had very intermittent messages from this list the past few days, and then I checked the archive and saw the archive showed the same thing. It appears as if the list server took a few breaks for the holiday.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----Original Message-----

From: ARDUJENSKI@aol.com <ARDUJENSKI@aol.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Sunday, July 02, 2000 9:20 AM  
Subject: AOL email problems-again!

>You AOL users may want to check the QRP-L archives. About 25% of the  
>messages seem to not be making it thru AOL again. Alan KB7MBI

-----  
Date: Sun, 2 Jul 2000 09:20:22 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Bob Patten <n4bp@bc.seflin.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74091] Re: O-QRP Contest  
Message-ID: <Pine.LNX.4.10.10007020914070.970-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob, Yes it was sure a Wimpy contest...hi  
But we worked each other and I got my Ten Tec working so I was "legal" and  
so I will buy an international postcard and send in my score. You may have  
the winning score. At least our contact will count 4 points...

As things look now a Colorado club will win Field Day class 2A  
with about 16,000 points it made with gigantic 40 and 80 meter antenna's  
and running QRP. My small group made just over 6,000 points also QRP. And  
Field Day is a \*REAL\* contest.

On Sun, 2 Jul 2000, Bob Patten wrote:

> On Sun, 2 Jul 2000, Karl F. Larsen wrote:  
> >  
> > Hi Bob we just had a contact on 20 meters, my first with a station in the  
> > O-QRP contest. It was YOU. About 1105 GMT you gave me 599 113 QRP and I  
> > gave you 579 006 QRP. I was using my old Ten Tec Argonaut.  
> >  
> Glad we made it Karl. I quit at what seemed to be several hours later  
> with only twelve more contacts, very boring contest! :-)  
>  
> 73,  
> , ' ' ' ,  
> Bob Patten, N4BP ( 0 0 ) Plantation, FL  
> -----o00o-( )-o00-----  
>  
> E-Mail: n4bp@bc.seflin.org  
> Web Page: <http://www.qsl.net/n4bp>  
> Brass Pounder BBS: (954) 472-7715  
> SOC #1Whiners #6  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Sun, 2 Jul 2000 09:51:40 -0600  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: "qrp-1" <qrp-1@Lehigh.EDU>  
Subject: [74092] Re: List, My (last/only) thoughts  
Message-ID: <01db01bfe43d\$846039e0\$018611d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: Pete Burbank <plburbank@kih.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Saturday, July 01, 2000 5:24 PM  
Subject: List

> The recipient has TOTAL control of what comes in so think  
> about that. You can always turn it off!!!!

Yes and let's leave this way.

Consider a analogy. Neighborhood Covenants that restrict your radio activities. Do you want "list covenants" too? I don't. Act responsibly, be tolerant, and most of all relax and have fun.

---  
72/3 Rod, N0RC -- Fort Collins, CO

-----  
Date: Sun, 2 Jul 2000 09:54:25 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [74093] Re: Fox Hunt Summer Teams  
Message-ID: <Pine.LNX.3.95.1000702095117.10955F-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...announcing the newest Team for the Summer Fox Hunt....the "QRP Cheeseheads!"....the name slays me; it really does...HI HI HI....thanks for the info Jerry...any more Teams please?

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

----- Forwarded message -----

Date: Sat, 1 Jul 2000 23:45:14 -0500

From: Jerry Scherkenbach <jerrys@execpc.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,  
rattray@gpfn.sk.ca

Cc: "WA9TZE, Jim Akre" <jsakre@execpc.com>,

"W9XU, Lon" <Lon.Richoz@amermsx.med.ge.com>,

"NK9G, Rick" <mcgaver@execpc.com>, "AE9K, Brian" <ae9k@yahoo.com>,

"KF0CT, Chuck" <chu\_r@hotmail.com>

Subject: Re: Fox Hunt Summer Teams

The QRP Cheeseheads would like to enter a team for the summer Foxhunt as follows:

N9AW - Jerry

NK9G - Rick

AE9K - Brian

WA9TZE - Jim

If we come up with a 5th member before the hunts start I will let you know and amend our team roster.

72

Jerry N9AW

----- Original Message -----

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, June 26, 2000 4:53 PM

Subject: Re: Fox Hunt Summer Teams

> I will be the "Team Master" who will keep the Team records for the Summer  
> fox hunt so please send me the name of your Team and it's 5 members asap  
> ...I will post the Team scores after each hunt, having received the Foxii  
> logs...thank you...

>  
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
> A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"  
>  
>

-----  
Date: Sun, 2 Jul 2000 12:08:26 -0400  
From: "Gary Nye" <gcnye@bright.net>  
To: qrp-1@LEHIGH.edu  
Subject: [74094] norcal paddle arm trade?  
Message-ID: <395F30BA.25792.E1D9C@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I have a second norcal paddle kit which I am finally about to assemble (hopefully with a bit more care than the first). I find that I have become used to the wide spacing of the original kit but the second kit is one of the narrow spacing kits. Would anyone like to trade their wide arms for my untouched narrow arms?

tnx,  
Gary

Gary Nye WD8KQY                   gcnye@bright.net  
Tiffin, OH

-----  
Date: Sun, 2 Jul 2000 10:58:35 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Mike Yetsko <myetsko@insydesw.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74095] Re: Reverse Polarity Diodes  
Message-ID: <Pine.LNX.4.10.10007021054400.1005-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I looked at the schematic for my Argonaut 509 and it has a 2 amp fuse in the 12 volt "Hot" line and a 1n4002 diode hooked cathode to the "Hot" line, anode to ground. If you hook up power wrong you blow the 2 amp fuse. Big deal...

On Fri, 30 Jun 2000, Mike Yetsko wrote:

> There are three common configurations for a 'polarity' protection  
> diode in a rig.  
>  
> In one case, the diode is in series and conducts normal current  
> when the radio draws power.  
>  
> The advantages of this are the radio works when power is  
> correct, and the radio does not destruct any components when  
> the power is reversed.  
>  
> The disadvantages of this are the forward diode voltage drop. If the  
> radio is designed with this, and not 'tacked on' later, it usually is  
> not appreciable.  
>  
> The other case is the diode REVERSED from the power to ground.  
> In normal operation the diode is NOT conducting, sitting there in  
> a reverse bias case, if power is applied correctly. If power is applied  
> in reverse, the diode conducts, drawing more current than the rig  
> is fused for, and the fuse blows, protecting the radio. Most CB sets  
> use this scheme.  
>  
> The advantages of this scheme is the full supply voltage is available  
> to the radio with no diode drop.  
>  
> The disadvantages of this scheme is that when the reverse diode  
> triggers the protection, it is destructive to the fuse. There is also a  
> minor disadvantage in that these diodes are prone to failure when  
> used in an environment with high voltage spikes on the incoming  
> voltage, and the diodes can prematurely fail, or can actually 'zener'  
> and conduct. Some could argue this is actually an advantage, as  
> it can suppress some noise or otherwise protect the rig. This is  
> usually destructive to the fuse, and occasionally to the diode itself.  
>  
> Another disadvantage is the 'operator error' issue I mention below!  
>  
> The third scheme is not near as common as the first two. That is a  
> full wave bridge is connected to the input. This is not that common,  
> and usually only seen on rigs with isolated chassis.  
>  
> The advantages of this system is the rig doesn't care which wire is  
> connected which way. (It was popular with truckers with CB sets  
> in the mid to late 70's so they could just plug a rig into the cigar  
> lighter in their positive ground trucks and negative ground cars  
> without worrying about polarity.)

>  
> The disadvantage of this scheme is that there are now TWO forward  
> voltage drops in series with the supply voltage.  
>  
> I added this to a LOT of CBs for truckers when they needed repaired  
> for being hooked up 'backwards'.  
>  
> One final note, it's common to find a trace burnt on the rigs with the  
> diode reversed in the second scheme. Usually when a rig is hooked  
> up backwards, especially by a non-technical person, it's very common  
> to find the fuse blown, and to replace it with another. Then when  
> that one blows, replace it with a 20 amp... Most rigs built like this  
> will also have an INTERNAL fuse. Either a formal wired in glass  
> fuse, or they will intentionally have a 'fuse link' in the PCB traces  
> designed to blow when someone decides the only thing wrong is  
> the fuse isn't big enough. If you EVER repair a rig with this blown  
> trace, do NOT put down heavy bypass wire!! They did it once, they  
> will probably do it again! Either hack in an internal fuse, or  
> otherwise  
> rebuild the 'fusible link'!  
>  
> Mike  
>  
>  
> > > (The connection of a reverse polarity diode in a plus  
> > > 12 volts circuit, is anode side going to the DC power  
> > > jack). Current flow is anode to cathode. Cathode side  
> > > is the bar.  
> >  
> > I've tinkered with a number of CB radios (okay, there, I admit it)  
> > that  
> > connected the diode across the power leads with the cathode toward the  
> > positive lead. That way if the the radio is connected backwards the  
> > diode  
> > draws lots of amps and blows the inline fuse.  
> >  
> > It's a little more destructive than the series diode, but you don't  
> > get the  
> > diode drop AND its forward resistance limiting input current to a  
> > properly  
> > connected radio.  
> >  
> > I've also seen radios with a full-wave bridge connected to the DC  
> > input such  
> > that the DC source goes into the AC inputs of the bridge, which then  
> > "steers" the current in the proper direction in all cases. That way  
> > you get  
> > 2 diodes in series with your source, and some potentially strange



> grounding  
> > problems.  
> >  
> > Dave  
> >  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

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End of QRP-L Digest 1870

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